

Docket No.: 042390.P5965

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Hacking, et al.

Examiner: Denise Tran

Application No.: 09/122,349

Art Group: 2186

Filed: July 24, 1998

For: Method and Apparatus for Performing
Cache Segment Flush and Cache
Segment Invalidation Operations

AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231-9998

Sir:

Please amend the above-identified Application as follows:

IN THE CLAIMS

Following is a complete set of claims as amended with this Response. This complete set of claims excludes cancelled claims 3 and 13-37 and includes new claims 42-64.

- 3 (1) 3
- 4 1. (Amended) A computer system comprising:
- 5 a cache memory having a plurality of cache lines each of which stores data;
- 6 a storage area to store a data operand; and
- 7 an execution unit coupled to said storage area to operate on data elements in said data
- 8 operand containing a portion of a starting address to invalidate data in a predetermined portion of
- 9 the plurality of cache lines in response to receiving a single instruction of a processor instruction
- 10 set.
- 11 2. The computer system of Claim 1, wherein the data operand is a register location.

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WWS/crr
Filed: 7/24/98

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

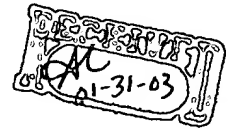
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Official



Deliver to: Tran, D., USPTO Art Group: 2186
 Facsimile No.: 703-746-7239 Date: January 31, 2003
 From: William W. Schaal, Reg. No. 39,018
 Our Docket No.: 42390P5965 Number of pages 22 including this sheet.
 Application No.: 09/122,349 Filing Date: 7/24/1998
 Docket Due Date(s): _____

Enclosed are the following documents:

<input checked="" type="checkbox"/> Amendment: _____	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> Appeal Brief (in triplicate) (____pgs)	<input type="checkbox"/> Notice of Appeal
<input type="checkbox"/> Application: _____ (____pgs) w/cover & abstract	<input type="checkbox"/> Petition for: _____
<input type="checkbox"/> Assignment & Cover Sheet (____pgs)	<input type="checkbox"/> Request for Continued Examination (RCE)
<input type="checkbox"/> Certificate of _____	<input type="checkbox"/> Reply Brief (____pgs)
<input type="checkbox"/> Continued Prosecution Application (CPA)	<input type="checkbox"/> Request & Certification Under 35 USC 122(b)(2)(B)(i)
<input type="checkbox"/> Declaration & POA (____pgs)	<input type="checkbox"/> Request to Rescind Previous Nonpublication Request
<input type="checkbox"/> Drawings: ____ sheets, ____ figures	<input type="checkbox"/> Response to Notice of Missing Parts & Formalities Letter
<input type="checkbox"/> Extension of Time: _____	<input type="checkbox"/> Response to Written Opinion (____pgs)
<input checked="" type="checkbox"/> Fee Transmittal (in duplicate)	<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> IDS & PTO/SB/08 (____pgs)	<input type="checkbox"/> Transmittal of Publication Fee Due
<input type="checkbox"/> Other _____	<input checked="" type="checkbox"/> Transmittal Letter

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8A)

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on 1/31/2003.

Corrin R. Reynolds 01/31/2003
 Corrin R. Reynolds Date

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PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.**TOTAL AMOUNT OF PAYMENT** (\$) 0.00**Complete if Known**

Application Number	09/122,349
Filing Date	July 24, 1998
First Named Inventor	Lance Hacking
Examiner Name	Tran, D.
Group/Art Unit	2186
Attorney Docket No.	42390P5965

METHOD OF PAYMENT (check one)
☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Deposit Account Number: 02-2666

Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments
☐ Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	750	2001	375	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	620	2003	280	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$)

2. EXTRA CLAIM FEES

Total Claims: 39 - 40* = 0 X 18.00 = \$0.00

Independent Claims: 9 - 9* = 0 X 84.00 = \$0.00

Multiple Dependent

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple Dependent claim, if not paid	
1204	84	2204	42	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$)

*or number previously paid, if greater, For Reissues, see below

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
2053	130	2053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1404	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	2451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	2460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	1809	375	Filing a submission after final rejection (37 CFR § 1.129(e))	
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

SUBMITTED BY**Complete (if applicable)**

Name (Print/Type)	William W. Schaal	Registration No. (Attorney/Agent)	39,018	Telephone	(714) 557-3800
Signature		Date	01/31/03		

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.